

HALOGEN-FREE AND LOW SMOKE EMISSION THERMOPLASTIC INSULATED FLEXIBLE CABLE



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Made in Italy

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TECHNICAL FEATURES

Rated Voltage	Max. operating temperature	Min. Temperature of installation	Max. Temperature of short circuit	Min. internal bending radius	Max mechanical stress
300/500V	70°C	5°C	150°C	6xD	5 kg/mm ²

CONSTRUCTION FEATURES

Conductors :	Flexible cord in red or tinned copper, class 5 (EN 60228, IEC 60228).
Insulation :	Halogen-free thermoplastic compound type T16. Insulation of fire-retardant cables, with low smoke fumes and reduced emission of toxic, corrosive gasses.
Sheath :	Thermoplastic halogen free compound type TM7. Protective sheath for low smoke and reduced emission of toxic, corrosive gasses
Identif. colours :	Core identification in compliance with CENELEC HD 308 in force.
Standards :	EN 50525-3-11, EN 50363-7, EN 50363-8, EN 50575:2014 + A1, RoHS 2011/65/UE, Low-Voltage Directive 2014/35/EU

GUIDE TO USE

CPR classification: Cca s1b, d2, a1
Placed where a low level of emission of smoke and corrosive gases are required in case of fire or burning.
Use in domestic premises and offices.
For ordinary duty applications and household appliances, including in damp premises. (e.g. vacuum cleaners, washing machines, spin dryers and refrigerators).
Use outdoors for temporary periods of short duration.
Unsuitable for use with cooking and space heating appliances if there is a risk of contact with hot parts.
Unsuitable for use in elevated temperature zones in luminaires.
Cables are not intended to provide circuit integrity in case of fire.
Maximum strain in static duty conditions: 1,5 Kg/mm².

DIMENSIONAL FEATURES AND ELECTRICAL PROPERTY

Number and nominal cross-sectional area of conductors (n° x mm ²)	Mean overall diameter (mm)	Indicative weight of Cable (g / m)	Conductor		Insulation		Sheath		Current ratings (A) with ambient temp. lower than:				Article Code	
			Diameter max. of wires (mm)	Max. resistance Res. El. (ohm/Km at 20° C)		Thickness (mm)		Thickness (mm)		30°C	30°C	30°C		20°C
				RedCu	Stn Cu.	Mid.	Min.	Mid.	Min.	F M*	F I*	P L*		E L*
2x0,75	6,2 ±0,2	55	0,210	26,000	26,700	0,6	0,44	0,8	0,58	6	7	-	-	C5Z102007
3x0,75	6,6 ±0,2	66	0,210	26,000	26,700	0,6	0,44	0,8	0,58	6	7	-	-	C5Z103007
4x0,75	7,2 ±0,2	81	0,210	26,000	26,700	0,6	0,44	0,8	0,58	6	7	-	-	C5Z104007
5x0,75	8 ±0,2	100	0,210	26,000	26,700	0,6	0,44	0,9	0,66	6	7	-	-	C5Z105007
2x1	6,6 ±0,2	64	0,210	19,500	20,000	0,6	0,44	0,8	0,58	10	11	-	-	C5Z102010
3x1	7 ±0,2	77	0,210	19,500	20,000	0,6	0,44	0,8	0,58	10	11	-	-	C5Z103010
4x1	7,8 ±0,2	98	0,210	19,500	20,000	0,6	0,44	0,9	0,66	10	11	-	-	C5Z104010
5x1	8,6 ±0,2	120	0,210	19,500	20,000	0,6	0,44	0,9	0,66	10	11	-	-	C5Z105010
2x1,5	7,6 ±0,2	87	0,260	13,300	13,700	0,7	0,53	0,8	0,58	16	19,5	-	-	C5Z102015
3x1,5	8,2 ±0,2	109	0,260	13,300	13,700	0,7	0,53	0,9	0,66	16	17,5	-	-	C5Z103015
4x1,5	9,3 ±0,2	141	0,260	13,300	13,700	0,7	0,53	1,0	0,75	16	17,5	-	-	C5Z104015
5x1,5	10,3 ±0,2	174	0,260	13,300	13,700	0,7	0,53	1,1	0,84	16	17,5	-	-	C5Z105015
2x2,5	9,2 ±0,2	132	0,260	7,980	8,210	0,8	0,62	1,0	0,75	20	24	-	-	C5Z102025
3x2,5	9,9 ±0,2	164	0,260	7,980	8,210	0,8	0,62	1,1	0,84	20	24	-	-	C5Z103025
4x2,5	10,8 ±0,2	202	0,260	7,980	8,210	0,8	0,62	1,1	0,84	20	24	-	-	C5Z104025
5x2,5	12,1 ±0,2	254	0,260	7,980	8,210	0,8	0,62	1,2	0,92	20	24	-	-	C5Z105025
2x4	10,6 ±0,2	183	0,310	4,950	5,090	0,8	0,62	1,1	0,84	25	32	-	-	C5Z102040
3x4	11,4 ±0,2	229	0,310	4,950	5,090	0,8	0,62	1,2	0,92	25	32	-	-	C5Z103040
4x4	12,5 ±0,2	286	0,310	4,950	5,090	0,8	0,62	1,2	0,92	25	32	-	-	C5Z104040
5x4	14,1 ±0,2	362	0,310	4,950	5,090	0,8	0,62	1,4	1,09	25	32	-	-	C5Z105040

* [FM = Free movement] [FI = Fixed installation] [PL = Pipe laying] [EL = Earth laying]

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